INFORMATION DISCLOSURE STATEMENT

Applicants	:	Kim, *et al.*
App. No.	:	Unknown
Filed	:	Herewith
For	:	**ORGANIC ELECTROLUMINESCENT DEVICES USING DOUBLE-SPIRO ORGANIC COMPOUNDS**
Examiner	:	Unknown
Group Art Unit	:	Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 36 references that are of record in U.S. patent application No. 10/099,781, filed March 14, 2002, which is the parent of this Divisional application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 11/19/03

By: _____

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MUTU12.001DV1	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Kim, et al.	
(USE SEVERAL SHEETS IF NECESSARY)	FILING DATE Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	5,840,217	Nov. 24, 98	Lupo et al.			
	2	5,026,894	Jan. 25, 91	Tour et al.			

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	3	Smet, et al., A GENERAL SYNTHESIS OF DISUBSTITUTED RUBICENES, 1998, J. Org. Chem., 2769-2773
	4	Smet, et al. A NOVEL ACID-CATALYZED REARRANGEMENT OF 9,10-DIARYL-9,10-DIHYDROANTHRACENE-9,10-DIOLS AFFORDING 10,10'-DIARYL-9-ANTHRONES., 1999, Elsevier Science Ltd., Tetrahedron 55 7859-7874.
	5	Hamada et al., Organic light-emitting diodes using a gallium complex., April 20, 1998, American Institute of Physics, Volume 72, No. 16.
	6	Murata et al., Organic light-emitting devices with saturated red emission using 6, 13-diphenylpentacene., April 16, 2001, American Institute of Physics, Volume 78, No. 16.
	7	Shi et al., Doped organic electroluminescent devices with improved stability., March 31, 1997, American Institute of Physics, Volume 70, No. 13.
	8	Adachi et al., High-efficiency organic electrophosphorescent devices with tris(2-phenylpyridine) iridium doped into electron-transporting materials., August 7, 2000, American Institute of Physics, Volume 77, No. 6.
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	10	Burrows et al., Operating lifetime of phosphorescent organic light emitting devices., May 1, 2000, American Institute of Physics., Volume 76, No. 18.
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	15	Gigli et al., High-efficientcy oligothiopene-based light-emitting diodes., July 26, 1999, American Institute of Physics., Volume 75, No. 4.
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	17	Yang et al., Photoluminescence and electroluminescence properties of dye-doped polymer system.. 1997, Elsevier Science S.A., Sythetic Metals., 335-336.
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
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	25	Ma et al., Bright blue electroluminescent devices utiliaing poly (*N* – vinylcarbazole) doped with fluorescent dye., 1997, Elsevier Science S.A., Sythetic Metals., 331-332.
	26	Sano et al., Organic eletroluminescent devices doped condensed polycyclic aromatic compounds., 1997, Elsevier Science S.A., Sythetic Metals., 27-30.
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	33	Naito et al., Molecular Design for Nonpolymeric Organic Dye Glasses with Thermal Stability: Relations between Thermodynamic Parameters and Amorphous Properties., 1993, The Journal of Physical Chemistry, Volume 97, No. 23, 6240-6248.
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